

L 8927-65 EWT(m)/EPR/T/EWP(q)/EWP(b) Ps-4 MJW/JD

ACCESSION NR: AP4045654

S/0133/64/000/009/0802/0805

AUTHOR: Pavlova, L. A.

TITLE: Quality of ShKh15 steel after single and double electroslag melting

SOURCE: Stal', no. 9, 1964, 802-805

TOPIC TAGS: ball bearing steel; ShKh15 steel, electroslag melted ShKh15 steel, ShKh15 steel impurity content, steel impurity distribution

ABSTRACT: The effect of single and double electroslag melting on the content and distribution of nonmetallic inclusions in arc-melted ShKh15 ball-bearing steel has been investigated. It was found that single electroslag melting considerably reduced the amount of oxides, and, to a lesser extent, sulfides, brittle silicates, and point inclusions. The second electroslag melting further reduced the content of nonmetallic inclusions, especially

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of point and globular ones. The initial steel contained (in 10⁻⁴% by volume): 230 oxides, 27 sulfides, and 53 titanium nitrides. The corresponding figures for the steel after single and double electroslag melting were: 98 and 63, 5 and 2, 22 and 8, respectively. After each melting the inclusions were mostly in the form of finely-dispersed particles and very seldom in the form of threads or clusters. The distribution of nonmetallic inclusions along the ingot length was also more uniform with each successive melting. In general, electroslag melting of ShKh15 ball-bearing steel produced metal which fully satisfies the requirements for instrument ball bearings. Orig. art. has: 22 figures and 2 tables.

ASSOCIATION: TsNIICHM

SUBMITTED: 00

ATD PRESS: 3112

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 000

OTHER: 000

Card 2/2

PAVPEROVA, I. A.

New scale for determining alpha-phase content in stainless steel.
Standartizatsiia 24 no.10:39-40 O '60. (MIRA 13:10)
(Steel, Stainless--Testing)

PAVPEROVA, I.A.

Methods of evaluating inclusions in electroslagged metals.
Zav. lab. 29 no.6:718-722 '63. (MIRA 16:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii imeni I.P. Bardina.
(Steel--Testing) (Slags)

18.8400

1454, 1506, 1413

S/028/60/000/010/009/020
B013/B063

AUTHOR: Pavperova, I. A.

TITLE: New Scale for the Determination of the Alpha-phase Content
in Stainless Steel 14

PERIODICAL: Standartizatsiya, 1960, No. 10, pp. 39 - 40

TEXT: This is a report on the determination of the alpha-phase content in stainless steel, which is frequently carried out by the metallographic method in which 300-fold magnifications of microphotographs are classified according to a five-grade scale developed at the zavod Zaporozhstal' (Zaporozhstal' Plant) in 1935-37 (Table 1). It is based on the size of the area occupied by ferrite grains. As may be seen from Table 1, this area does not always agree with the above scale. The Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (Central Scientific Research Institute of Ferrous Metallurgy) has proposed a new scale which, like the old one, is based on the size of the area occupied by ferrite grains. Grades 1, 2, 3, 4, and 5 correspond to 3, 6, 12, 24, and 48% of alpha phase, respectively (Table 2). The scale is shown in the insert. Every grade has

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New Scale for the Determination of the Alpha-phase Content in Stainless Steel

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B013/B063

two rows, a (large grains) and b (small grains). The new scale is laid down in the technical specifications for austenitic 1X18H9T (1Kh18N9T)-type steel. There are 1 figure and 2 tables.

Table 1
Шкала завода Запорожсталь

2. Базы	1	2	3	4	5
3. Содержание альфа-фазы, установленное по площадям, %	<5	5-12	12-20	20-35	35
4. Площадь на фототрассе, фактически занимаемая альфа-фазой, %	0	~5	~14	~18	~36

5. * Определение не было проведено из-за нечеткости фотографии.

Legend to Table 1: 1 - scale of the Zaporozhstal' Plant; 2 - grades; 3 - alpha-phase content expressed in percent of the total area; 4 - area on standard photographs occupied by the alpha phase expressed in percent; 5 - determination not carried out because of unclear standard photograph.

Card 2/3

MJW/JD

SOURCE CODE: UR/0125/65/000/010/0007/0011

7 9538-66
ACC NR: AP5026288

AUTHOR: Russiyar, A. V. (Candidate of technical Sciences); Salautin, V. A. (Engi-
near); Pavperova, I. A. (Engineer); Gnuchav, S. M. (Candidate of technical sciences)

ORG: TsNIICM

TITLE: Resistance of austenitic steel E1847 to the formation of hot cracks during
welding as a function of melting technology

SOURCE: Avtomaticheskaya svarka, no. 10, 1965, 7-11

TOPIC TAGS: austenitic steel, hot crack, weld defect, metallurgic furnace, arc
furnace, induction furnace, ferroalloy / E1847 (0Kh16N15M3B) austenitic steel

ABSTRACT: The purely austenitic E1847 (0Kh16N15M3B) steel is designed chiefly for
tube production. Its yield point, tensile strength and other properties are suffi-
ciently high at 20 and 600°C. Since, however, occasionally melts of this steel do
not behave up to expectations, the authors experimentally investigated the effect of
different conditions of its production on its resistance to the formation of hot
cracks in the near-weld zone and in the weld metal. Some melts were obtained in a
20-ton arc furnace and others in a 50-kg induction furnace on either using fresh
charge (carbon steel or armo iron plus alloy elements) with oxidation of slag or
remelting the alloyed wastes with addition of oxygen. Alloying with either alloy
metals (Cr metal, Nb metal, Mo metal) or ferroalloys (ferrochrome, ferroniobium, fer-

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UDC: 621.791.75:621.746.76

I 9538-66

ACC NR: AP5026288

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romolybdenum) was employed. Specimens of these steels were subjected to torsional fracture tests at 1250°C, since such tests satisfactorily simulate the conditions of the thermal welding cycle in the near-weld zone along with the formation of hot cracks. Findings: the melts of steel to which alloy metals were added displayed higher technological qualities and contained smaller amounts of impurities and hence also were more resistant to the formation of hot cracks than the melts to which industrial ferroalloys were added. Orig. art. has: 1 figure, 5 tables.

SUB CODE: 11,13/ SUM DATE: 25Jul64/ ORIG REF: 008/ OTH REF: 000

Card

gc
2/2

PAVPEROVA, N.A.

[Manufacturing shortened zwieback] Proizvodstvo sдобных
sukharei. Moskva, Pishchepromizdat, 1954. 72 p.
(Baked products) (MLRA 8:7)

3.2410
3.2100

3798
S/560/61/000/011/004/012
E032/E514

AUTHORS: Savenko, I.A., Nesterov, V.Ye., Pavrin, P.I. and
Pisarenko, N.F.

TITLE: The cosmic-ray equator according to the data
obtained with the third Soviet spaceship

SOURCE: Akademiya nauk SSSR. Iskusstvennyye sputniki Zemli.
no.11, Moscow, 1961. Rezul'taty nauchnykh
issledovaniy, provedennykh vo vremya poletov vtorogo
i tret'yego kosmicheskikh korabley-sputnikov, 30-34 ✓

TEXT: It is pointed out that the use of satellites in
determination of the cosmic-ray equator, i.e. the geographical
position of the line of minimum intensity of primary cosmic rays,
has many advantages over terrestrial measurements. In a previous
paper the authors reported the determination of 22 points on this
equator with the aid of the second cosmic Soviet spaceship (in
only 20 hours). The apparatus mounted on the third spaceship
included a gas-discharge halogen CTC-5 (STS-5) counter and a
scintillation counter (NaI:Tl). The counters were placed inside
the spaceship and were surrounded by a screen of between 5 and
Card (1/4)

The cosmic-ray equator ...

S/560/61/000/011/004/012
EO32/E514

P.J.Kellogg and M. Schwartz (Ref.8: Nuovo cimento, 13,761,1959).
There are 5 figures.

SUBMITTED: June 27, 1961

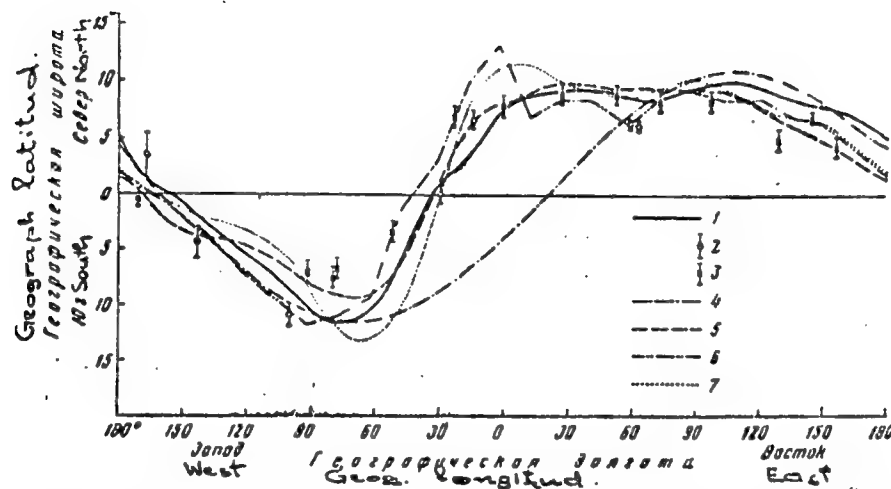
Fig.5.Legend

- 1 - Average results for the second spaceship (Geiger counter) and the third spaceship (Geiger and scintillation counters),
- 2 - Experimental results at sea level as reported in the literature,
- 3 - experimental aeroplane measurements as reported in the literature,
- 4 - equator computed on the basis of the dipole approximation of the geomagnetic field,
- 5 - Quenby and Webber's calculations (Ref.7),
- 6 - Kellogg and Schwartz's calculations (Ref.8),
- 7 - zero-inclination equator for the epoch 1955.

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The cosmic-ray equator ...

S/560/61/000/011/004/012
E032/E514



Card 4/4

Fig. 5

PAVLOVSKY, J.; KUBAT, K.

On indications and methods of administering antitetanus ana-
toxin and antitetanus sera. Rozhl. chir. 43 no.3:137-141
Mr'64.

*

KUBAT,K.; PAVROVSKY,J.

On indications for and methods of administering tetanus toxoid
and antitetanus sera. Cesk. pediat. 19 no.1:67-70 Ja'64.

*

PAVROVSKY, J., prof., hlavní chirurg MZd

Toward the concept of surgical services. Rozhl. chir. 41 no.1:
1-4 Ja '62.

(SURGERY OPERATIVE)

LICHTENBERG, J., First Clinic of Surgery (I. chirurgická klinika),
 Faculty of General Medicine (Fakulta všeobecného lékařství),
 Charles University, Prague, Prof. Dr. J. PAVROVSKÝ, Director; and
 KLADEK, A., Docent, Dr. director of the Department of Internal
 Medicine (interní oddělení), Railroad Polyclinic (Železniční
 poliklinika), Ljubanek.

"Surgical Treatment of the Algic Form of the Coronary Syndrome"

Prague, Časopis Lékařů Českých, Vol CII, no 31, 5 August 1963,
 pp 556-559.

Abstract [Authors' English summary]: Report on an isolated
 Poudrage of the pericardium and bilateral ligature of arteria
 mammae in the surgical treatment of algic symptoms in the co-
 ronary syndrome. Effectiveness of these revascularization pro-
 cedures and their indications are discussed. Poudrage, cardio-
 pexis, and upper thoracic sympathectomy were among the more
 complicated combined operations. The importance of sympathectomy
 is evaluated on the basis of new physiological findings in
 angina pectoris. Fifty-three references, including 22 Czech,
 Russian, and 1 Polish.

1/1

PAVROVSKÝ, J.; PAPEZ, L.; AUJEZSKÝ, Z.; FABIANOVÁ, J.; ŠTÍPÁKOVÁ, U.

Early diagnosis of breast diseases. Rozhl. chir. 44 no.2:142-144.
 1965.

1. I. Chirurgická klinika (Prednosta: prof. dr. J. Pavrovsky);
 I. gynecologická klinika (prednosta: prof. dr. K. Klaus);
 Radiologická klinika (prednosta: prof. dr. V. Svab) fakulty
 všeobecného lékařství Karlovy University v Praze.

PAVROVSKY, J.

65 years of prof. Dr. Jar Knobloch, Dr. Sc., holder of the
Order of Labor. Rozhl. chir. 44 no.6:433-435 Ja '66.

PAVROVSKY, J.

Prevention of pulmonary embolism by a surgical procedure
the vena cava caudalis. Rozhl. chir. 4 no.7:453-457 1961.

1. I. chirurgická klinika fakulty všeobecného lékařství Karlovy
University v Praze (prednosta prof. dr. J. Pavrovsky, M.D.).

PAVROVSKY, J.

Prevention in emergencies in acute abdomen. Rozhl. chir. 44
no.2:102-108 F '65.

1. I. chirurgická klinika fakulty všeobecného lékařství
Karlovy University v Praze (prednosta: prof. dr. J. Pavrovsky,
DrSc.).

CZECHOSLOVAKIA

PAVROVSKY, J.; PANTIS, A.; KETELA, J.; LINHART, O.; 1st Surgical Clinic, Faculty of General Medicine, Charles University (I. Chirurgická Klinika Fakulty Všeobecného Lekarství KU), Prague, Head (Prednosta) Prof Dr J. PAVROVSKY.

"Surgical Treatment of Chronic Subdural Effusions."

Prague, Ceskoslovenska Neurologie, Vol 29, No 5, Sep 66, pp 333 - 338

Abstract [Authors' English summary modified]: Surgical treatment of 46 patients suffering from chronic subdural hematomas is described. In 10 patients postoperative reexpansion of the brain was studied with the aid of silver clips applied to the dura mater and arachnoid. Reexpansion takes place 4-8 weeks after the effusion is drawn off. The clips make postoperative control very easy, help to diagnose the relapse of hematoma, and facilitate its evacuation. Evacuation of the hematoma through a burr hole puncture is recommended. 3 Figures, 1 Table, 9 Western, 4 Czech, 2 Russian references.

1/1

Brain injuries in the territory of the Republic of Czechoslovakia.
Rozhl. chir. 41 no.4:229-234 Ap '62.

1. I chirurgická klinika fakulty všeobecného lékařství KU v Praze
prednosta prof. MUDr. J. Pavrovsky.
(BRAIN wds & inj)

GREGOR, O.; BEDNAR, B.; PAVROSKY, J.; VOGLAROVA, Z.; JIRASEK, A.

Indication for resection of the stomach in the precancerous state.
Contribution to early diagnosis of cancer of the stomach. Cas. lek.
cesk. 101 no.29/30:895-899 20 J1 '62.

(STOMACH NEOPLASMS diag) (GASTRECTOMY)

PAVLOVSKY, J.

'The Activity of the Bezirk Chief Surgeon.'

SO: Hozhl. v chir., Prague, Vol. 32 (1953), no. 3, p. 434-441.

PAVROVSKY, Josef

Concept of orthopedic services. Acta/chir. orthop. traumat. czech. 26 no.1:
1-4 Feb 59.

(ORTHOPEDICS,

concept of orthopedic serv. (Cz))

PAVROVSKY, J.; PELESKA, J.

Use of bipolar electrocoagulation in neurosurgery. Rozhl. chir., 31
no. 6-8:210-212 1952. (CJML 23:3)

1. Of the Surgical Clinic (Head--Docent J. Pavrovsky, M. D.) of Medical Faculty, Pilsen. 2. Own method of bipolar electrocoagulation (Peleska, M. D.).

PAVROVSKY, Josef

Acute abdomens in Czechoslovakia during two and one-half years.

Gas. lek. oesk. 96 no.27-28:844-851 5 July 57.

(ABDOMEN, ACUTE, statist.

in Czech. (Cz))

PAVROVSKY, Josef, Prof., Dr., hlavní chirurg CSR.

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Ways of lowering the mortality rate in acute abdomen. Czech.
gastroenter. 9 no.2:92-97 June 55.

(ABDOMEN, ACUTE
mortal. rate in Czech., ways of lowering)

PAVROVSKY, Josef, Prof., MUDr.

Surgery and other fields of medicine in Vietnam Democratic Republic. Cesk. zdravot. 4 no.10:586-591 Oct 56.

1. Hlavní chirurg ministerstva zdravotnictví.

(SURGERY,

in Vietnam (Cz))

(MEDICINE,

in Vietnam (Cz))

PAVROVSKY, Josef, Prof. Dr

~~Tasks of the surgical service in 1955.~~ Rozhl.chir. 34 no.1-2:1-6
Feb '55.

1. Hlavní chirurg CSR
(SURGERY
in Czech., tasks of surg. serv.)

PAVROVSKY, Josef, Prof. Dr.

Tasks of chief regional surgeons in application of Pavlovian teaching. Rozhl.chir. 34 no.5:274-279 May 55.

1. Hlavní chirurg CSR

(SURGERY

in Czech., application of Pavlovian teaching, role of regional surgeons)

(PHYSIOLOGY

Pavlovian theory, appl. in surg. in Czech., role of regional surgeons)

BRATOLYUBOV, A.I.; PAVROZ, O.L.

Experiment demonstrating the reversibility of chemical reactions.
Khim. v shkole 16 no.4:78-79 J1-Ag '61. (MIRA 14:8)

1. Pedagogicheskiy institut, g. Gomel'.
(Chemical reactions)

GANCHEL', F.F., otv.red.; GERBACHEVSKIY, A.F., zasluzhennyy vrach USSR, red.; KAPLINA, A.V., zasluzhennyy vrach USSR, red.; KRASHOMOVETS, V.H., red.; PAVSHA, G.F., zasluzhennyy vrach USSR, red.; KHOLOPTSEVA, Z.I., red.; SNEZHIN, M.I., red.; KOPEYCHIK, P.N., tekhn.red.

[Research articles by physicians of Zhitomir Province, Ukrainian S.S.R.] Nauchnye trudy vrachei Zhitomirskoi oblasti Ukrainskoi SSR. Zhitomir, 1959. 255 p. (MIRA 14:2)

1. Zhitomirskiy oblastnoy otдел zdravookhraneniya. 2. Zavednyashchiy Zhitomirskim oblzdaryotdelom (for Ganchel'). 3. Zhitomirskaya oblastnaya bol'nitsa (for Gerbachevskiy, Kaplina, Krasnomovets, Pavsha).

(MEDICINE)

PAVSHA, G.F.

Dibucaine spinal anesthesia in gynecological surgery, especially in the presence of uterine cancer. Ped., akush. i ginek. 19 no.3: 52-56 '57. (MIRA 13:1)

1. Zhitomirskaya oblastnaya bol'nitsa (glavnyy vrach - A.F. Gorbachevskiy, glavnyy akusher-ginekolog Zhitomirskoy oblasti G.F. Pavsha).
(SPINAL ANESTHESIA) (GENERATIVE ORGANS, FEMALE--SURGERY)

PAVSHA, G.F. [Pavsha, H.F.]

First results of the work of examination rooms in polyclinics. Ped.,
akush. i gin, 19 no.6:63-64 '57. (MIRA 13:1)

1. Glavnyy akusher-ginekolog, Zhitomirskogo oblzdravotdela.
(MEDICAL SCREENING) (TUMORS)

PAVSHIN, V.

Attention, radiation! Gen. znan. 41 no.2:17 F '65.

MIKA 18:1

PAVSHIKO, Ye. A.

Pavshikov, Ye. A. "A quantitative calculation of the herbage and yield of the soil of the Baidar Bay littoral", Raboty Muz. biol. statistiki Karelo-Fin. gos. univ., Issue 1, 1947, (1 column heading: "6-49, - Bibliography 10 items.

SO: U-4392, 19 August 53, (Detonits 'L' and 'nykh Statey, No 21, 1943).

PAVSHTIKS, Ye. A., Cand Biol Sci -- (diss) "Plankton and nutritional migrations of herring under conditions of Norwegian and Greenland seas." Len, 1958. 15 pp (Zoological Inst, Acad Sci USSR, ~~Journal~~ *Scientific* Council), 100 copies (KL, 16-58, 118)

- 40 -

DAVYDICH, Ye. A.

"The Characteristic Features of the Food Basis of Herring in the Norwegian and Greenland Seas (Norvezhskoye i Grenlandskiye morya)

report presented at the All-Union Conference on Biological Foundations of Sea Fishing, 11-14 April 1959, by Interdepartmental Committee of AN USSR, VNIPO, and Inst. Oceanography, A. USSR.
(Vest. AN SSSR, 1960, No. 1, pp. 11-12).

BRODSKIY, V.B.; NIKITSKIY, A.N.; PAVSHUX, I.S.

Compensating the drift of electrical length of cables in the UKVUM
instrument. Priboroostroenie no.5:7-8 My '57. (MIRA 10:6)
(Electric circuits) (Measuring instruments)

SECRETARY OF STATE

Special Agent in Charge Mr. J. Edgar Hoover
Department of State Federal Bureau of Investigation
Washington, D.C. Washington, D.C.

PAVSHTIKS, Ye.A.

Food resources of herring in the Norwegian and Greenland Seas.
Trudy sov. Ikht. kom. no.10:80-83 '60. (MIRA 13:10)

1. Polyarnyy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii (PINRO).
(Norwegian Sea--Herring) (Greenland Sea--Herring)
(Fishes--Food)

AR'YEV, A.M. [Ar'lev, A.M.]; MERZLYAKOV, V.V.; PAVSKAYA, L.M. [Pava'ka, L.M.];
TARASHCHANSKIY, A.G. [Tarashchans'kyi, A.H.]

Increasing the mechanical strength of polycaprolactam during the
thermal processing. Khim.prom. [Ukr.] no.2:10-11 Ap-Je '65.
(MIRA 18:6)

L 55865-65 EWT(m)/EWG(v)/EWP(j)/T Pc-4/pe-5 RM
ACCESSION NR: AR5014994 UR/0081/65/000/006/S077/S077

SOURCE: Ref. zh. Khimiya, Abs 85468

AUTHOR: Ar'yev, A. M.; Merzlyakov, V. V.; Pavskaya, L. M.

TITLE: Effect of heat treatment of polycaprolactam on its structure and mechanical strength⁶

CITED SOURCE: Sb. tr. Kafedry fiz. Luganskly mashinostroit. in-t, v. 4, 1964, 5-15

TOPIC TAGS: polycaprolactam, polymer heat treatment, polymer strength, polymer structure/ capron

TRANSLATION: The effect of heat treatment (holding at 70-80, 130-140, and 145-155C for 7 hr.) on the change in molecular weight, structure, and strength of polycaprolactam was investigated. At all temperatures of heat treatment, the molecular weight increased with the holding time, particularly during the first 2-2.5 hr. The dependence of the tensile strength of the polyamide on the duration of heat treatment is not linear: it rises at first, slows down, then rises again, but the tensile strength of heat-treated capron was greater than that of

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the original samples in all cases. At 130-140C, the heat treatment should be applied only as long as the hexagonal system of symmetry is preserved while the molecular weight undergoes an appreciable increase. The greatest tensile strength was displayed by the polycaprolactam after 1.5 and 6 hr. of heat treatment. T. T.

SUB CODE: MT

ENCL: 00

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Card 2/2

L 42971-65 EWT(m)/EPF(c)/EPR/EWP(j) /T Pc-l/Pr-l/Ps-l WW/RH
ACCESSION NR: AR5008931 S/0277/65/000/002/0027/0027

SOURCE: Ref. zh. Mashinostroitel'nyye materialy, konstruktssi i raschet detaley mashin.
Otdel'nyy vyp., Abs. 2.48.170

AUTHOR: Ar'yev, A.M.; Merzlyakov, V.V.; Pavskaya, L.M.

TITLE: Heat treatment of polycaprolactam and its effect on structure and mechanical properties

CITED SOURCE: Sb. tr. Kafedry fiz. Lugansky mashinostroit. in-t, 4, 1964, 5-15

TOPIC TAGS: polycaprolactam, polymer tensile strength, polymer molecular weight, polymer structure, polymer heat treatment

TRANSLATION: The authors studied the effect of heat treatment (up to 7 hrs. at 70-80, 130-140 or 145-155C) on changes in molecular weight, structure and strength of polycaprolactam. The molecular weight increased at all heat-treatment temperatures as exposure lengthened, most rapidly during the initial 2 to 2.5 hours. The dependence of the polyamide's tensile strength on heat treatment time was not linear. Strength increased

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ACCESSION NR: AR5008931

initially, then dropped and increased again. However, the tensile strength of heat-treated caprone was higher in all cases, exceeding values for untreated samples by 50 to 100%. Heat treatment at 130-140C should be continued only as long as the hexagonal symmetry system is maintained with a significant increase in molecular weight. Polycaprolactam exhibits the highest tensile strength during the initial 1.5 hours and after 6 hours of heat treatment. Bibl. with 5 titles.

SUB CODE: MT

ENCL: 00

EJL
Card 2/2

PAVSIC, Ivan

Induced abortion and social indications; the experiences of the medical commission of first grade for induced abortion with the gynecologic clinic at Ljubljana. Zdrav. vest., Ljubljana 24 no. 7-8:285-288 1955.

1. Klinika za ginekologijo in porodništvo med. fakultete v Ljubljani-predstojnik prof. dr. Fr. Novak.

(ABORTION, INDUCED,

soc. aspects in Yugosl., work of State med. commission for induced abortion at Ljubljana (S1))

(MEDICINE, SOCIAL,

in Yugosl., soc. aspects of induced abortion and work of State med. commission at Ljubljana (S1))

(SOCIAL SERVICE

in Yugosl., induced abortion for soc. indic. (S1))

(PHYSICIANS,

in Yugosl., work of med. commission for induced abortion (S1))

(LEGISLATION, MEDICAL,

in Yugosl., induced abortion for soc. indic. (S1))

POLAND

PAVSIC, L., Prof. Dr. [Affiliation not given] Belgrade

"Zoohygienic and Veterinary Supervision of Large-scale Breeding of Cattle."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 5, May 63, pp 234-237.

Abstract: The increasing tendency of modern agriculture toward large-scale breeding poses new preventive, research, and supervisory tasks upon veterinary services. The author discusses these tasks under the following headings: Health requirements in selecting breeding stock, the external environment and effect of nutrition on health of animals, effect of weather on health of animals, microbiological factors, effect of animals productivity on their health, effect of modern animal production technology on the health of cattle in large-scale farms, and the role of man in preventing animal diseases in large-scale breeding farms. There are no references.

1/1

Call Nr: AF 1162769

Pavskiy, Andrey Georgiyevich.

Radiodeviatsiya; posobiye dlya shturmanov stroyevykh chastey i
uchebnykh zavedeniy VVS Sovetskoy Armii (Radio Deviations;
a Handbook for the Navigators of Combat Units and for Training
Institutions of the Soviet Army Air Force) Moscow, Voennoye
izd-vo Min-va obor. SSSR, 1957. 73 p. Number of copies printed
not given.

Ed.: Usik, A. I., Engineer-Col.; Tech. Ed.: Sleptsova, Ye. N.;
Corrector: Yakovleva, L. A.

PURPOSE: The book is intended as a handbook for the navigators of
combat units and for training establishments of the Soviet
Army Air Force.

COVERAGE: The author discusses first the physical nature of radio
deviation. The next chapter deals with the compensation
for radio deviations in the ARK-5 radio compass. Finally,
radio-deviation operations in airplanes and helicopters
are described. The book contains 2 appendices, 34 figures,
and 4 tables. There are no bibliographic references.

Card 1/3

Radio Deviations; a Handbook for the Navigators of Combat (Cont.)

Call Nr: AF 1162769

Ch. III. Radio-deviation Operations in Aircraft and Helicopters

1. Scope and sequence of operations	radio-deviation	35
2. Preparation for the completion of radio-deviation operations		37
3. Elimination of the loop-adjustment error of a radio compass		43
4. Determination of the radio deviation		49
5. Compensation for the radio deviation		61
6. Additional compensation for the radio deviation		66
7. Determination of the residual radio deviation		69

Appendices:

Official report of completion of radio-deviation operations	72
Table of radio-deviation compensation	74

AVAILABLE: Library of Congress

Card 3/3

PAVSKIY, Ye.I.

Operational expenses of liner icebreakers and the method of
determining them. Probl.Arkt.i Antark. no.14:33-39 '63.
(MIRA 16:12)

PAVSKIY, Ye.I.

Economic efficiency of increasing the navigational period in non-
Arctic ports which are subject to freezing. Probl. Arkt. i
Antarkt. no.12:113-118 '63. (MIRA 16:7)
(Harbors) (Ice on rivers, lakes, etc.)

PAVUR, J., MUDr.; MEITNER, E.R., MUDr.

A case of peritoneal hemangiomatosis. Rozhl. chir. 44 no.3:
176-180 Mr '65

1. Chirurgické oddelenie (veduci: MUDr. J. Pavur) a patologicko-
anatomicke oddelenie (veduci: MUDr. E.R. Meitner) Okresneho
ustavu narodneho zdravia vo Zvolene.

CZECHOSLOVAKIA

UDC 612.014.481/432:613.231-07:614.31

VRANOVSKA, J.; PAWEL, O; KALOUSOVA, V.: Veterinary Research Center (Veterinarni Vyzkumne Stredisko), Prague.

"Usefulness of Meat of Animals Exposed to Ionizing Radiation."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 6, Dec 66, pp 261-263.

Abstract: It is possible to use meat from the animals who were subjected to radiation, when such animals are killed before the clinical aspects of radiation sickness have developed. The meat is suitable for use in permanent smoked meat products. No differences between the fresh products were discovered; however, during storage such meat shows larger weight losses, and the products deteriorated more rapidly than those from meat of control animals. 6 figures, 3 Czech references.

POLAND

PAWELCZYK, Ewaryst and WASIELEWSKA, Jolanta; Department of Pharmaceutical Chemistry (Zaklad Chemii Farmaceutycznej), Medical Academy (Akademia Medyczna) in Poznan (Director: Docent, Dr. E. PAWELCZYK)

"Analysis of the Products of Drug Decomposition. V. Chromatographic Separation of Products of Privine Decomposition."

Warsaw, Farmacja Polska, Vol 19, No 11-12, 25 Jun 63, pp 244-246

Abstract: The authors discuss the chemistry of privine decomposition and describe a chromatographic ring method which they devised for its study. Preparation studied was "rhinazin," which is a buffered and stabilized Polish preparation of privine nitrate, normally kept in dark glass containers. To speed decomposition, the drug was transferred to clear glass containers and subjected to diffuse light at room temperature. The study covered a five-months period and yielded with aging seven separate electrophoretic rings, differing in color and fluorescence. Boiling of the "Rhinazin" yielded only one ring, indicating that the process involved in normal decomposition is not that of hydrolysis. 2 tables, 1 figure. Five Western references.

1/1

PAVTSOV, A.; USACHEV, P.

Preventing the deterioration of the shell of a rotary meat pie oven.
Mias.ind. SSSR 25 no.6:37-38 '54. (MIRA 8:1)

1. Ivanovskiy myasokombinat.
(Meat industry)

CHEKMAROV, Yakov Fedorovich, sostavitel'; BOGDANOV, I.M., uchitel' matematiki; MODEL', A.Ya., uchitel'; GNUSOV, N.V., uchitel'; PAVUK, T.I., uchitel'-nitsa; ZDRAVOMYSLOVA, N.K., uchitel'nitsa matematiki; BORISOV, S.A., uchitel' matematiki; KITAYGORODSKIY, P.I., uchitel' matematiki.

[Teaching mathematics in the schools for young workers] Iz opyta prepodavaniia matematiki v shkolakh rabochei molodezhi; sbornik statei. Moskva, Izd-vo Akademii pedagog. nauk RSFSR, 1952. 128 p. (MLRA 6:5)

1. Akademiya pedagogicheskikh nauk RSFSR, Institut metodov obucheniya.
 2. Shkola rabochey molodyezhi No 52, Moskva (for Bogdanov).
 3. Shkola rabochey molodyezhi No 31, Leningrad (for Model').
 4. Shkola rabochey molodyezhi No 4, Moskva (for Gnusov).
 5. Shkola rabochey molodyezhi No 65, Moskva (for Pavuk).
 6. Shkola rabochey molodyezhi No 71, Leningrad (for Zdravomyslova).
 7. Shkola rabochey molodyezhi No 32, Moskva (for Borisov).
 8. Shkola rabochey molodyezhi No 45, Moskva (for Kitaygorodskiy).
- (Mathematics--Study and teaching)

BUDZE, M., red.; BLUGERS, A., red.; FAVULE, A., red.; ERNSTEIN, A.,
tehn. red.

[Handbook on the most important infectious diseases] Svarīgā-
kas infekcijas slimības; rokasgrāmata. Rīga, Latvijas Valsts
izdevniecība, 1961. 309 p. (MIRA 15:10)
(COMMUNICABLE DISEASES)

ZHULKOVSKIY, V.K.; PAVULE, A. [translator]; VITOLINS, G., red.; ZAGARS, A.,
tekh. red.

[Gastritis and ulcer] Gastriti un cūlas slimība. Rīga, Latvijas
valsts izdevniecība, 1961. 76 p. (MIRA 15:3)
(STOMACH—INFLAMATION) (STOMACH—ULCERS)

PAVULE, A. P.

PAVULE, A. P. -- "Cardiac-Vascular Conditioned Reflexes on Painful Irritation."
Latvian State U, 1951
(Dissertation for the Degree of Candidate of Medical Sciences)

SO: Izvestiya Ak. Nauk Latviyskoy SSR, No. 9, Sept., 1955

PAVULE, A. F.

USSR/Medicine - Physiology

FD-1342

Card 1/1 : Pub. 33-20/25

Author Danilov, M. V., Pavule, A. F., and Mezulis, I. P.

Title Optical polygraph

Periodical : Fiziol. zhur, 4, 47-500, Jul/Aug 1954

Abstract Optical polygraph is an apparatus used for measuring arterial pulse, cardiac rhythm, respiratory movements, and maximum and minimum arterial pressure. It is possible to determine venous pressure by raising the sensitivity of plethysmographic recordings. The apparatus consists of photokymograph and auxiliary parts. Photographic recordings are made with the aid of optical capsules on photographic paper up to 150 mm. in width. Diagrams.

Institution : Chair of Normal Physiology, Riga Medical Institute and Section of Morphology and Physiology, Institute of Experimental Medicine, Academy of Sciences, Latvian SSR

Submitted April 1, 1954

PAVUNA, H.
SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: Center for Zootechnique and Zoohygiene of the Faculty
of Veterinary Medicine (Zavod za zootehniku i zoohigijenu
Veterinarskog fakulteta) Sarajevo

~~Source:~~

Belgrade, Veterinarski glasnik, No 5, 1961, pp 369-372.

Data: "Weight of Simental and Cross-Bred Calves at Calving at the
Agricultural Enterprise "Osijek".

Authors:

ILANCIO, D.
PAVUNA, H.

CARD:

1/1

PAVUR, KAROL

CZECH

The application of active slays in water works. Karol
Pavur (Ustav staveb. Inot a konstrukci, Brailava,
Czech). Chem. Zvesti 8, 842-4(1964).—A lecture.
Jan Micky

FAN, Z.; WIEKALIK, J.

The adaptation of blast furnaces for operation with increased pressure on the mouth. Pt. 2. Changes in the construction and equipment of Blast Furnace A after its starting in the Kociszewo Foundry. (To be cont'd. p. 57).

PROJEKTY I PROJEKTY K. W. W. W. W. (Biuro Projektow Przemyslu Hutniczego, Biuro Projektow Przemyslu Stalowego i Biuro Projektow Przemyslu Metalowego) Gliwice, Poland. Vol. 6, no. 1, Jan. 1958.

Monthly List of East European Accessions (EEAL), LC, Vol. 1, no. 1, Apr. 1951.
Unc'.

KESIK, Maria; MAZUR, Mieczyslaw; PAWCZYNSKI, Cezary

Effect of geriocaine, novocaine, paraaminobenzoic acid and diethylamino-ethanol on the growth and respiration of Escherichia coli. Roczn. pom. akad. med. Swierczewski. 8:153-160 '62.

1. Z Zakladu Farmakologii Pomorskiej Akademii Medycznej Kierownik: doc. dr M. Mazur i z Zakladu Mikrobiologii Pomorskiej Akademii Medycznej Kierownik: prof. dr W. Murczynska.

(PARAAMINOBENZOIC ACID) (AMINO ALCOHOLS)
(PROCAINE) (ESCHERICHIA COLI)

Pawel, O.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239720009-8" ①

Food Technology

CZ/0060/66/000/002/0062/0065

Czechoslovakia

AUTHOR: Vranovska, J.; Kalousova, V.; Pawel, O.

ORG: Veterinary Research Center, Prague (Veterinarni vyzkumne stredisko)

TITLE: Influence of radiation sickness on biochemical changes in tissue after death

SOURCE: Vojenske zdravotnicke listy, no. 2, 1966, 62-65

TOPIC TAGS: radiation sickness, food preservation, food storage, tissue biochemistry

ABSTRACT: Prompt killing of animals with radiation sickness may be necessary to avoid economic loss. The quality of meat, its preservation, and its suitability for processing were investigated. Pigs were subjected to 700 r of radiation, and changes in pH, ammonia, and water content were observed at room temperature (about 20C) and under refrigeration. The aging process was faster in the meat of irradiated animals and spoilage occurred sooner than in the meat of control animals. The spoiling process started about 2 days sooner in the meat of irradiated pigs when stored at room temperature, and even less than 2 days earlier in the refrigerated meat. The length of preservation was inversely proportional to the degree of acute radiation illness suffered by the animals whose meat was tested. Orig. art. has: 2 figures and 2 tables. [KS]

CZECHOSLOVAKIA/Diseases of Farm Animals - General Problems.

R-1

Abs Jour : Ref Zhur - Biol., No 10, 1958, 45356

Author : Pawel, Otto

Inst : -

Title : The Possibilities of the Contamination of Animals by
Radioactive Isotopes and New Problems in Veterinary
Science in This Connection.

Orig Pub : Veterinarstvi, 1957, 7, No 7, 197-200

Abstract : The wide use of radioactive isotopes (RI) makes it necessary to consider the danger of the contamination by RI of animals, feedstuffs and products of animal origin. Examples of dangerous radioactivity of the milk of cows in Kagoshima (Japan), caused by the consumption of foods contaminated by RI, as well as of the radioactivity in poultry, produced by the consumption of radioactive feed dust, are quoted. The author says that a new problem is posed before veterinarian science:

Card 1/2

L 27466-66 EWT(m)

ACC NR: AP6015120

SOURCE CODE: CZ/0060/66/000/002/0062/0065

AUTHOR: Vranovska, J.; Kalousova, V; Pawel, O.

ORG: Veterinary Research Center, Prague (Veterinarni vyzkumne stredisko)

TITLE: Influence of radiation sickness on biochemical changes in tissue after death

SOURCE: Vojenske zdravotnicke listy, no. 2, 1966, 62-65

TOPIC TAGS: radiation sickness, food preservation, food storage, tissue biochemistry

ABSTRACT: Prompt killing of animals with radiation sickness may be necessary to avoid economic loss. The quality of meat, its preservation, and its suitability for processing were investigated. Pigs were subjected to 700 r radiation, and changes in pH, ammonia, and water content were observed at room temperature (about 20C) and under refrigeration. The aging process was faster in the meat of irradiated animals and spoilage occurred sooner than in the meat of control animals. The spoiling process started about 2 days sooner in the meat of irradiated pigs when stored at room temperature, and even less than 2 days earlier in the refrigerated meat. The length of preservation was indirectly proportional to the degree of acute radiation illness suffered by the animals whose meat was tested. Orig. art. has: 2 figures and 2 tables.

[KS]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 007/ SOV REF: 003/

ATD PRESS: 4260

Cord 1/1

UDC: 616-001.26/.28-091.8-091.1

CZECHOSLOVAKIA

UDC 616-001.26/.28-091.8-091.1

VRANOVSKA, J.; KALOUSOVA, V.; PAWEL, O.; Veterinary Research Center
(Veterinarni Vyzkumne Stredisko), Prague.

"The Influence of Radiation Sickness on Postmortal Biochemical Changes in
the Tissues."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 2, Apr 66, pp 62-65

Abstract: Pork that originated from pigs who received an irradiation dose
of 700 r was investigated, and its content of water, ammonia, and its pH were
determined and the changes followed. Control values were determined in
normal pork. Refrigerator temperatures and 20°C were used in the investigation.
The meat of animals that were irradiated does not keep as well and it spoils
much quicker. The meat lasted about 2 days longer when the pigs were not
irradiated. The storage life of the meat obtained from irradiated animals
was in direct proportion to the reciprocal of the intensity of the irradiation
sickness. 2 Figures, 2 Tables, 7 Western, 3 Czech, 4 Russian references.

1/1

CSO: 2000-D (83 pages)

- END -

- 81 -

PAWELCZYK, Ewaryst; DOPIERALA, Tadeusz

Analysis of products of the decomposition of drugs. Pt. 4. Farmacja
Pol 18 no.23:565-567 10 D '62.

1. Zaklad Chemii Farmaceutycznej, Akademia Medyczna, Poznan. Kierownik:
prof. dr F. Adamanis.

PAWELCZAK, F., AND OTHERS.

Chromatographic testing of berberine extracted from Polish raw materials.
p. 205

CHROMATOGRAFIA. (Komisja Analityczna Polskiej Akademii Nauk i Naczelna Organizacyjna) Warszawa, Poland. Vol. 4, No. $\frac{1}{2}$, 1959.

Monthly list of East European Accessions (EEA) LC, Vol. 8, No. 8, August 1959
Uncla.

BALCAR, Elzbieta; PAWELCZYK, Ewaryst

Content of cardiac glycosides in leaves of *Digitalis purpurea* L.
of various age. Inst przem ziel Biul 8 no.1/2:24-34 Mr-Je '62.

1. Zakład Hodowli Roslin Leczniczych, Instytut Przemysłu
Zielarskiego, Poznań. Kierownik Zakładu: W.Czabajska.

Prednisone, SLAVONIA

PAWELESKI, Slawomir (Warszawa, ul. Chocimska 5. Instytut Hematologii)

Prednisone and prednisolone in the treatment of blood diseases.
Polski tygod. lek. 12 no.31:1207-1210 29 July 57.

1. (Z Kliniki Hematologicznej; kierownik: prof. dr med. W. Lawkowska,
Instytutu Hematologii; dyrektor: doc. dr med. A. Trojanowski).

(PREDNISOLONE, therapeutic use,
blood dis., review (Pol))

(PREDNISONE, therapeutic use,
same)

(BLOOD DISEASES, therapy,
prednisolone & prednisone, review (Pol))

CZECHOSLOVAKIA / Farm Animals. Rabbits.

U-7

Abs Jour : Ref Zhur - Biologiya, No 16, 1957, 72121

Author : Pawel, O.

Title : Sterile Males and Females in Rabbits

Orig Pub : Chavatel, 1956, No 10, 151 ps

Abstract : The principal causes for sterility in rabbits in ages above 8-10, are diseases in sexual organs, biological deficiency of feed, and acute changes in the maintenance conditions. These are also the causes for the decrease in litters to two and four in rabbits. Sterility may be hereditary.

Card : 1/1

- 40 -

PAWEL, Otto; JANICEK, Josef

Possibilities of cysticercoidal meat treatment by ionizing radiation. Veter medicina 8 no.2:111-120 Mr '65.

Preservation of beef and pork meat quality in applying devitalizing doses of ionizing radiation to make cysticercoid inactive. Ibid.:121-130

1. Research Center of Veterinary Medicine, Prague.

PAWELCZAK, JAN

Synthesis of 4-aminomethyl-4'-carboxydiphenyl sulfone hydrochloride. Zygmunt Ledochowski, Zbigniew Bujalski, and Jan Pawelczak (Politech. Gdansk, Gdansk, Poland). *Zeitschr. Naturforsch. C-Gesam.*, No. 1, 91-5 (1984) (German summary). — $p\text{-HO}_2\text{C}_6\text{H}_4\text{SO}_2\text{C}_6\text{H}_4\text{NH}_2\cdot\text{HCl}$ (I) (cf. Brit. 568,157, C.A. 39, 21) was obtained as follows: to a suspension of 25 g. $p\text{-HO}_2\text{C}_6\text{H}_4\text{SO}_2\text{C}_6\text{H}_4\text{NH}_2$ in 150 ml. of water and 85 ml. of concd. HCl a soln. of 8.5 g. of NaNO_2 in 35 ml. of water was added dropwise. The resulting salt was added within 10 min. to a soln. of 25 g. of NaCN and 20 g. of $\text{NiCl}_2\cdot 6\text{H}_2\text{O}$ in 185 ml. of water heated to 90° . The total mixt. was then heated 0.5 hr. on a water bath with vigorous mixing, the ppt. formed filtered, dissolved in warm acetone the insol. inorg. impurities filtered off, the filtrate concd., and the residue crystd. from 80% aq. acetone to give $p\text{-HO}_2\text{C}_6\text{H}_4\text{SO}_2\text{C}_6\text{H}_4\text{CN}\cdot\text{p}$ (II), decomp. $205-8^\circ$. II (1.8 g.) in 80 ml. alc. and 10 ml. of concd. HCl was hydrogenated with Pd at 23° under a pressure of 1400 mm., to yield 84% I, m. $293-3^\circ$ (decompn.), difficultly sol. in water, very sol. in EtOH, alkalies, acetone, and AcOH. $p\text{-MeC}_6\text{H}_4\text{SO}_2\text{Na}$ (8.2 g.) and $4,3,5\text{-Cl}_3\text{C}_6\text{H}_2\text{CO}_2\text{H}$ are shaken a few min. in cold EtOH to give a viscous soln., which is then heated 2 hrs. under a reflux condenser. Addn. of water yields a fluffy yellow ppt., crystl. from EtOH and

then from water to give 18% $4,3,5\text{-HO}_2\text{C}_6\text{H}_2\text{Cl}_3\text{SO}_2\text{C}_6\text{H}_4\text{NH}_2$, decomp. 295° , m. $242-4^\circ$, difficultly sol. in benzene, very sol. in EtOH and anhyd. AcOH.

J. J. Manda

(2)

PAWELCZAK, S.

"37th anniversary of the great October Revolution." p. 181,
(ODZIEZ. Vol. 5, No. 10, Oct. 1954. Lodz, Poland)

SC: Monthly list of Esp. European Acquisitions. (FEAL). LC. Vol. 4, No. 4,
April 1955. Uncl.

PAWELCZYK, E.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

③
Variation in saponin content in *Saponaria officinalis* during its growth period. / E. Pawelczyk and W. Drożdż (Zakład Farm. A.M., Poznań). *Form. Polska* 9, 38-43(1953).— The saponin content of the roots of *Saponaria officinalis* was highest during April and May, just before the appearance of flowers (7.74-8.18%) and lowest during July and August, the flowering period (2.99%). 28 references. L. J. P.

GOLINIA, A.; PAWELCZYK, B.; SPEICHERT, H.

Attempted selection of ergot. Acta Poloniae pharm. 11 Suppl.:76-79
1955.

1. Panstwowy Instytut Naukowy Leczniczych Surowcow Roslinnych,
Poznan.

(ERGOT ALKALOIDS,
selection of ergot)

PAWELCZYK, E.

GOLEKHA, A.; PAWELCZYK, E.

Culture of *Claviceps purpurea* Tul.; method of obtaining of infection material. *Farm. polska* 10 no.5:122-126 May 54.

1. Panstwowy Instytut Naukowy Leczniczych Surowcow Roslinnych
w Poznaniu. Dyrektor: prof. dr Fr. Adamonis.

(ERGOT ALKALOIDS,
culture of *Claviceps purpurea*)

CA

*Pharmaceuticals, common
"Perfume"*

Production of tropine alkaloids from the seeds of *Datura stramonium*. Fr. Adamania and E. Pawlarczyk (Inst. Med. Plant Research, Poznań, Poland). *Polish Abstr. Umiejscowieni, Prace Kom. Nauk Farm., Dissertationes Pharm.* 3, 130-64(1951)(English summary).—Since the seeds of *Datura stramonium* contain approx. 25.8% oil and 0.403% alkaloids, depending on the ripeness of the seeds, they were used as a source of tropine alkaloids. The seeds were first ground, moistened with 1% H_2SO_4 , defatted with CCl_4 , and dried. The dried material was shaken for 2 hrs. at room temp. with CCl_4 contg. NH_4OH to ext. the alkaloids. The liquid was then decanted, the residue was pressed dry, the expressed liquid being added to that above. Upon distg. off the CCl_4 , the resultant concd. mass was acidulated with 5% H_2SO_4 , extd. several times with ether for complete CCl_4 removal, made basic with K_2CO_3 , and extd. with a mixt. of ether and $CHCl_3$. The ext. contg. the alkaloids was

concd. to as small a vol. as possible and let alone for crystn. purposes. From 1 kg. of dry defatted seeds, 2.55 g. or 0.2% of alkaloids was obtained. L. J. Piotrowski

PAWELCZYK, Ewaryst; DOPIERAŁA, Tadeusz

Analysis of decomposition products of medicinal drugs.Pt.2.
Chromatographic division of products of aging solutions of
chlorpromazine. Farmacja Polska 18 no.10:234-237 My '62.

1. Zakład Chemii Farmaceutycznej, Akademia Medyczna, Poznań.
Kierownik Katedry: prof.dr. F.Adamanis.

7 A
BAYEROWA, H.; PAWELCZYK, E.

Evaluation of stalks of certain types of poppy for morphine content. Farm.polska 11 no.3:49-52 Mar '55.

1. Panstwowy Instytut Naukowy Leczniczych Surowcow Roslinnych
w Poznaniu Dyrektor: prof. dr Fr. Adamanis.
(MORPHINE, determination,
in poppy stalks)
(PLANTS,
poppy stalks, determ. of morphine)

ADAMANIS, Franciszek, prof.dr.; PAWELCZYK, Ewaryst; SZLANGA, Jozef; ZAJAC,
Maria

Chromatographic analysis of some composed drugs. Farmacja Pol 1. no.
20:415-417 0 '61.

1. Zaklad Chemii Farmaceutycznej, Akademia Medyczna, Poznan
Kierownik: prof.dr. F. Adamanis.

ADAMANIS, F.; PAWELCZYK, E.; PLOTKOWIAKOWA, Z.

On the chromatography of hydrogenated ergot alkaloids of the
ergotoxine group. Bull soc. amis sci Poznan [Med] Ser. C no.10:
95-104 '61.

(ERGOT ALKALOIDS chem)

ADAMANIS, Franciszek; PAWELCZYK, Ewaryst; PLOTKOWIAKOWA, Zyta

Analysis of products of the decompositions of drugs. Pt. 3.
Farmacja Pol 18 no.21:513-515. 10 N '62.

1. Zaklad Chemii Farmaceutycznej, Akademia Medyczna, Poznan.
Kierownik: prof. dr F.Adamanis.

*

DREJAK, Zdzisław; PAWELCZYK, Jan; RAPACKI, Henryk; SZYMCZYK, Wislawa

A protective table in the radium application room. Nowotwory 12
no.3:257-259 '62.

1. Z Instytutu Onkologii — Oddział w Krakowie Dyrektor: doc. dr med.
H. Kolodziejaska I z Instytutu Fizyki Jadrowej w Krakowie Dyrektor:
prof. dr med. H. Niewodniczanski.
(RADIATION PROTECTION) (RADIUM)

PAWELC, F.

The application of pitch-water mortar for making pitch concrete for covering old gravel road surfaces. p. 219.

Vol. 10, no. 9, Sept. 1955

(Instytut Techniki Budowlanej) Warszawa, Poland.

So. East European Accessions List Vol. 5., no. 1, Jan. 1956

PAWELEC, F.

The application of pitch-water mortar for making pitch concrete for covering in gravel road surfaces. p. 219.

DROGWN CTWO, Vol. 10, No. 9 Sept. 1955

(Instytut Techniki Budowlanej) Warszawa

SOURCE: East European Accessions List Vol. 5, No. 1 Jan. 1956

KOŁODZIEJSKI, Jerzy; PAWELEC, Józef

Transient responses in p-n junctions and pulse parameters of
semiconductor diodes. Przegl elektroniki 4 no.3:136-148 '69.

GORAL, Arkadiusz; PAWELEC, Jozef

Certain criterion of stable operation of digital magnetic
circuits. Przegl elektroniki 5 no. 5:227 My '64.

ACC NR: AP6024833

SOURCE CODE: PO/0053/66/000/004/0179/0186

AUTHOR: Pawelec, Jozef

ORG: none

TITLE: Problems of the instability of photodiodes in photoelectric converters

SOURCE: Przegląd elektroniki, no. 4, 1966, 179-186

TOPIC TAGS: photoelectric cell, photoelectric detection, diode electron tube, reading machine, *photo diode / FG-5 photo diode*

ABSTRACT: The article discusses the causes and mechanism of the onset of photodiode current changes where the diodes are operating in photoelectric converters or punched tape transmitters and gives particular attention to the effect of temperature. Specifications for electric photodiode parameters are formulated and various methods for stabilizing and compensating for the changes developing in them as a result of the detrimental effect of constant and variable factors are discussed. The results are given of investigations of type FG-5 miniature germanium photodiodes for two limit ambient temperatures of 20 and 50° C with respect to behavior in relation to lighting conditions and operating time under load. On the basis of the measurement results it is concluded that the optical system, temperature changes, operating time and lighting

Card 1/2

UDC: 621.383

ACC NR: AP6024833

have the greatest effect on the operation of photodiodes in converters. The parameters of photodiodes must be regulated on the basis of the ratio of sensitivity-to-dark-room-current ratio at the highest operating temperature. Orig. art. has: 5 figures, 6 formulas and 1 table.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 003

Card 2/2

ACCESSION NR: AP4039541

P/0031/64/009/001/0061/0069

AUTHOR: Goral, Arkadiusz (Gural', A.); Pawelec, Jozef (Pavolets, Yu.)

TITLE: One condition for the stable operation of parallel digital magnetic amplifier systems

SOURCE: Archiwum automatyki i telemechaniki, v. 9, no. 1, 1964, 61-69

TOPIC TAGS: magnetic storage line, magnetic delay line, digital amplifier, magnetic amplifier, magnetic amplifier system, magnetic device, square hysteresis-loop ferromagnetic, ferromagnetic

ABSTRACT: The condition for the stable operation of the examined system is that $k_z \leq 1$, where k_z is the disturbance factor, defined as the ratio of the peak value of the magnetic field intensity of the disturbing flux to some threshold value H_0 which is determined from the magnetizing "charge" fluxes according to the equation $\Delta B = \varphi \left[\int_0^t H_M dt \right]$, where B is the irreversible change in induction, and H_M is the magnetizing field. The relations defining the transients k_z as a function of the system's parameters, based on the approximation of the diode characteristics and magnetizing pulses, are derived. The magnetic characteristics

Card 1/2

ACCESSION NR: AP4039541

of the core are linearized according to the magnetizing "charge" curves. The applicability of germanium and silicon diodes for use in this system was examined. According to the derived equations for k_z , a stable operation is relatively easy to attain if diodes with a clearly-expressed nonlinearity and cores with a high value for the ratio $H_0\tau_p/S$ (τ_p is the switching time and S is the switching coefficient) are used. In the case of $k_z = 1$, no disturbances were observed in the operation of the system with a change in the peak values of the pulses within the limits -50 to 100%. Experimental results show a very good conformity between calculated and measured characteristics. Further tests on a two-phase register showed that the instrument can also operate stably with $k_z > 1$, but with a greatly reduced reliability. The shape of the core's output voltage pulse and period of its complete magnetic reversal also have an effect on the stability of operation. Original article has: 4 figures and 14 equations.

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Card 2/2

PAWELEC
BORSZEWSKI, Jerzy; PAWELEC, Maria

Radical surgery of cancer of the duodenum and of the pancreas. Polski
przeegl. chir. 29 no.4:369-375 Apr 57.

1. Z III Kliniki Chirurgicznej A. M. w Poznaniu Kierownik: doc. dr
J. Borszewski. Adres autora: Poznan, ul. Szkolna 8/10, III Kl. Chir. A.M.
(DUODENUM, neoplasms,
surg., radical technic in duodenopancreatic cancer (Pol))
(PANCREAS, neoplasms,
same)

PAWELEC, Maria

A change of corneal refraction following operations for squint. Klin.
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W. Arkin.

(CORNEA, physiol.

corneal refraction following strabismus surg. (Pol))

(STRABISMUS, surg.

postop. corneal refraction (Pol))

(REFRACTION, OCULAR

corneal refraction following strabismus surg. (Pol))